

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

From  
PCT file  
25529-01  
- Reference -

Applicant's or agent's file reference WEJ-02 PCT	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT ISA 220) as well as, where applicable, item 5 below.	
International application No PCT US99 16991	International filing date (day/month/year) 27 JULY 1999	(Earliest) Priority Date (day/month/year) 27 JULY 1998
Applicant JAMES, WILLIAM EDWARD		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (See Box I).
2. ☐ Unity of invention is lacking (See Box II).
3. ☐ The international application contains disclosure of a **nucleotide and/or amino acid sequence listing** and the international search was carried out on the basis of the sequence listing
  - ☐ filed with the international application.
  - ☐ furnished by the applicant separately from the international application.
    - ☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.
  - ☐ transcribed by this Authority.
4. With regard to the title, ☒ the text is approved as submitted by the applicant.  
☐ the text has been established by this Authority to read as follows:
5. With regard to the abstract,
  - ☐ the text is approved as submitted by the applicant.
  - ☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. The figure of the drawings to be published with the abstract is:  
Figure No. 2
  - ☒ as suggested by the applicant.
  - ☐ because the applicant failed to suggest a figure.
  - ☐ because this figure better characterizes the invention.

☐ None of the figures.

## Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

This new foot pad or pedal type exerciser allows for normal walking, jogging, and running in place on pedals (16,17) reciprocal primarily back and forth, and provides means for returning the pedal from varying stride lengths to a forward step-down position in response to a user's end of stride action of stepping down on the forward pedal and lifting the other foot from the rear pedal. Improved step impact cushioning is provided compared to treadmills, the only other exerciser allowing variable length normal stepping type strides, with cushion means (14,15) on or under the pedal, some versions providing vertical pedal deflection means (40,41) to both reduce step-down forces and provide energy to return [to] the opposite pedal. Mechanical and pneumatic versions are described, as are user powered and motorized versions, both types providing automatic stride length and speed variation and stopping means (131,132) responding to the user's foot force. 124

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 International application No.  
PCT US99/16991

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(6) : A63B 22.00, 02, 04, 06, 23.00, 24.00 US CL : 482.3-9, 51-54, 70, 71, 80, 111-116, 131, 133, 135, 900, 909 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 482.3-9, 51-54, 70, 71, 80, 111-116, 131, 133, 135, 900, 909 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) APS		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y, E	US 5,947,872 A (RYAN et al) 07, September 1999, col. 4 line 26 to col. 12 line 6.; col. 6 lines 40+; and col. 5 lines 57+.	1-16
Y	US 5,368,532 A (FARNET) 29 November 1994, Abstract; and col. 4, lines 61+.	1-3, 5, 6, 8-16
Y	US 5,741,205 A (DOLL et al.) 21 April 1998, col. 2 lines 66 to col. 3 line 5.	4
Y	US 5,626,539 A (PIAGET et al) 06 May 1997, col. 3 lines 6-30.	7
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents. "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 09 SEPTEMBER 1999		Date of mailing of the international search report <b>25 OCT 1999</b>
Name and mailing address of the ISA US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 308-0858		Authorized officer TAM NGUYEN Telephone No. (703) 305-0784